SECTION 07 13 00

SHEET WATERPROOFING

PART 1 GENERAL

1.01SECTION INCLUDES

A. Sheet membrane waterproofing under all clay tile roofing.

1.02REFERENCE STANDARDS

- A. ASTM D 412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers- Tension; 2006a.
- B. ASTM D 570 Standard Test Method for Water Absorption of Plastics; 1998 (Reapproved 2005).
- C. ASTM E 96/E 96M Standard Test Methods For Water Vapor Transmission of Materials; 2005.
- D. NRCA ML104 The NRCA Roofing and Waterproofing Manual; National Roofing Contractors Association; Fifth Edition, with interim updates.

1.03SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data for membrane.
- C. Manufacturer's Installation Instructions: Indicate special procedures.

1.04QUALITY ASSURANCE

A. Perform Work in accordance with NRCA Roofing and Waterproofing Manual for roof system.

1.05FIELD CONDITIONS

A. Maintain ambient temperatures above 40 degrees F for 24 hours before and during application and until liquid or mastic accessories have cured.

1.06WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Laminated Composite Manufacturers:
 - Grace Construction Products; Product Grace Ultra: www.na.graceconstruction.com.
 - 2. Substitutions: See Section 01 60 00 Product Requirements.

PART 3 EXECUTION

3.01EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify substrate surfaces are durable; free of matter detrimental to Project 0830400 $\,$ 07 13 00 1 $\,$ April 24, 2009

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- adhesion or application of waterproofing system.
- C. Verify that items that penetrate surfaces to receive waterproofing are securely installed.

3.02PREPARATION

- A. Protect adjacent surfaces not designated to receive waterproofing.
- B. Clean and prepare surfaces to receive waterproofing in accordance with manufacturer's instructions.

3.03INSTALLATION - MEMBRANE

- A. Install membrane waterproofing in accordance with manufacturer's instructions.
- B. Roll out membrane. Minimize wrinkles and bubbles.
- C. Self-Adhering Membrane: Remove release paper layer. Roll out on substrate with a mechanical roller to encourage full contact bond.
- D. Overlap edges and ends and seal by method recommended by manufacturer, minimum 3 inches. Seal permanently waterproof.
- E. Weather lap joints on sloped substrate in direction of drainage. Seal joints and seams.
- F. Seal membrane and flashings to adjoining surfaces. Install counterflashing over all exposed edges.

END OF SECTION